WASHINGTON STATE DEPARTMENT OF COMMERCE

Strategic Plan for Homes, Buildings, Neighborhoods and Districts

Introduction to the Strategic Plan and Public Process

Chuck Murray

4/11/2010



Enabling Legislation / Building Code Council

- 19.27A.160
 - Residential and nonresidential construction Energy consumption reduction Council report.
- (1) Except as provided in subsection (2) of this section, residential and nonresidential construction permitted under the 2031 state energy code must achieve a seventy percent reduction in annual net energy consumption, using the adopted 2006 Washington state energy code as a baseline.



Buildings Strategic Planning Goals

- Targets RCW 19.27a.160
 - The goal is defined by the legislation
 - 70% reduction in building energy use by 2030
- Strategic Planning RCW 19.27a.150
 - The strategic plan is to be developed in support of the legislated goal
 - The strategic plan should identify barriers to reaching the goal and a plan to address the barriers



Enabling Legislation / Building Code Council

19.27A.160

2) The council shall adopt state energy codes from 2013 through 2031 that incrementally move towards achieving the seventy percent reduction in annual net energy consumption as specified in subsection (1) of this section. The council shall report its progress by December 31, 2012, and every three years thereafter.

Enabling Legislation / Building Code Council

19.27A.160

2) The council shall adopt state energy codes from 2013 through 2031 that incrementally move towards achieving the seventy percent reduction in annual net energy consumption as specified in subsection (Each code cycle, the target shall report its for energy reduction would and every three be about 8%.

Enabling Legislation / Building Code Council

- 19.27A.160 2) cont.
- If the council determines that economic, technological, or process factors would significantly impede adoption of or compliance with this subsection, the council may defer the implementation of the proposed energy code update and shall report its findings to the legislature by December 31st of the year prior to the year in which those codes would otherwise be enacted. Department of Commerce

This meeting is being recorded

Legislative Direction

- (a) aspirational codes
- (b) measurement and targets
- (c) code training and enforcement
- (d) research / demonstration
- (d,e,i) education

- (f)utility impacts / serving low energy buildings
- (g) Performance based codes
- (h) financial mechanisms
- (j) district energy
- (k) cost / benefit
- (I) embodied energy



Commerce Strategic Plan

- 19.27A.150 Strategic plan Development and implementation.
- department shall develop and implement a strategic plan for enhancing energy efficiency in and reducing greenhouse gas emissions from homes, buildings, districts, and neighborhoods

Repeat Every Three Years

 The buildings strategic plan will be repeated every three years

- Commerce approach for 2010
 - Address near term issues in detail
 - Identify mid term issues and plan to address them in the next few years
 - Describe long term opportunities / barriers



Develop and Implement a Strategic Plan

- We can not plan and implement all the sections this year
- This will be an ongoing project
- 2010 Mostly Planning
 - Report to the Legislature
- Implementation
 - Ongoing



2010 - Three Phases

- Informative Phase, May July
 - Provide context for discussion
 - Solicit public input on subject mater
- Assembly Phase, Aug, Sept.
 - Write Draft Document
 - Continue to gather information, but no meetings
- Public Review / Final Draft, Oct.
 - Provide opportunities for comment on first public draft in October
 - Incorporate comments and publish
 - Due to Governor's office early November for final review

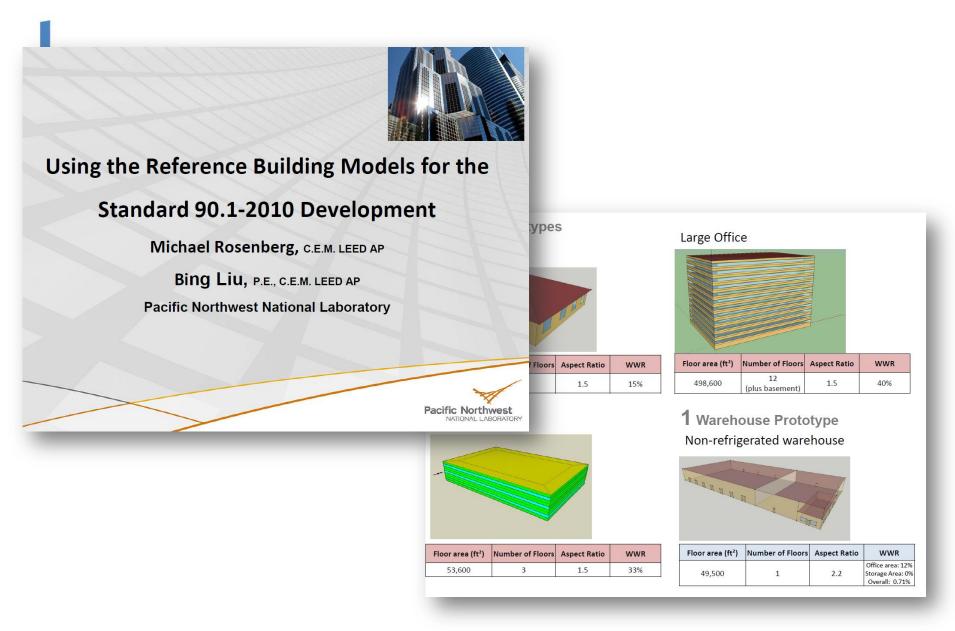


Qualifying Criteria?

What get's in the plan?

- Is it a idea that is ready to be applied near term, or does it need more development?
- Capacity willing public / private collaborative that will adequately address the issue
- Will this enhance future code council rulemaking
- Will this help solve technologically and economically feasibility issues

This meeting is being recorded





Performance-Based Energy Codes

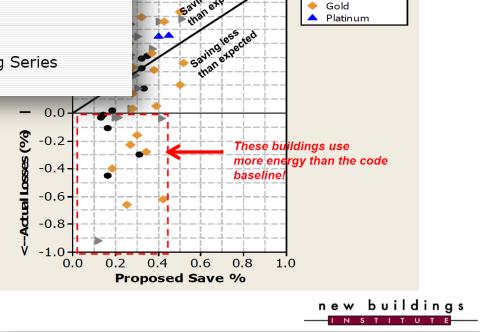
Jayson Antonoff Seattle DPD Policy Advisor **Duane Jonlin** AIA, NBBJ

- with Special Guest -

Mark Cherniack New Buildings Institute

June 2010

Washington State Energy Use Strategic Planning Series





LEEDlevel Certified Silver



Strategic Plan for Buildings

Construction Cost Analysis Methodology

Results From Economic oility for Res. Windows

obability of the Net Present Value to Consumers of Class 30 Windows

Craig Drumheller



This meeting is being recorded

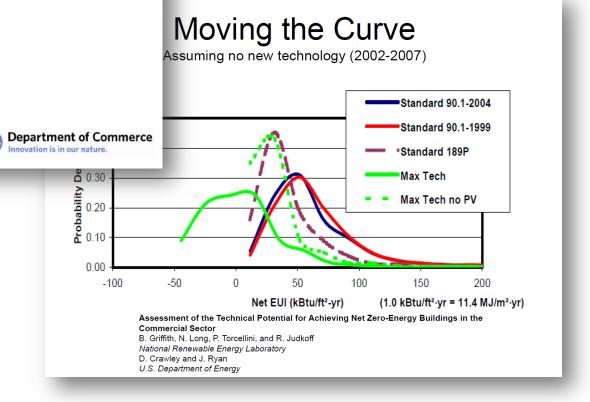


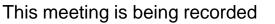
Washington State Department of Commerce

Strategic Plan for Homes, Buildings, Neighborhoods and Districts

Aspirational Codes

May 18, 2010







Two Strategies

- Two energy strategies are currently under development at Commerce
 - This one is the <u>Buildings Strategy</u>
 - http://www.commerce.wa.gov/site/1325/default.aspx
 - State Energy Strategy
 - http://www.commerce.wa.gov/site/1327/default.aspx

